You've got something to say.
You want to make your message as powerful as possible. You know the impact of television. But the cost and complexity of producing broadcast quality video has held you back.

Here's the answer.

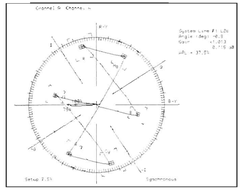
Video Toaster® 4000.

The Video Toaster's broadcast quality output makes it a regular guest on prime time television. In fact, the Toaster® won an Emmy Award, the broadcast industry's most prestigious award, for technical achievement.

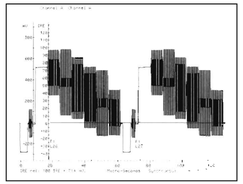
The Video Toaster's price makes it one of the most popular professional video products ever. And it all fits on a desktop in your home or office.

Get a Video Toaster®.
They'll get your message.

VM700 Video Measurement Set



As you can see on this vectorscope display, the Toaster provides a broadcast quality signal. It has to – it's in use at thousands of TV stations and production sites around the world.



The Video Toaster provides RS-170A NTSC output. Compare this waveform display to other systems and you'll see the result of the attention we paid to getting it right.

Video Toaster® 4000 Hardware Specifications

Video Standard:	NTSC
Inputs:	(4) composite synchronous input BNC connectors 1 Volt p-p Coherent chroma Software controllable 75 Ohm termination or high impedance for loop-through on each input
Main Video Output:	1 Volt p-p composite into 75 Ohms
Reference Video:	Composite color or black burst on video input #1
Sequence Trigger:	Bi-directional GPI trigger with optional cable Serial Control
Sync Generator:	Sync, blanking and burst internally regenerated. Meets all FCC broadcast video and RS-170A specifications
Signal to Noise:	> 55dB
Sampling Rate:	14.31818 MHz
Quantizing:	8 bits
Luminance Bandwidth:	+0/–3 dB to 4.5 MHz
Luminance Resolution:	> 400lines
Still Store:	Dual outputs independently routed to switcher
Load Time:	From RAM: 2 seconds From Hard Disk: <2 seconds typical
Switcher:	7 sources: 4 External video 2 Digital channels Matte generator Clip level control with 256 steps Key input switchable to any input or digital still store Independently selectable Preview output
Digital Effects:	Arbitrary geometric remapping at 60 fps
Requirements:	Two standard composite video monitors Inputs from video tape must be time base corrected Inputs 2, 3 and 4 must be synchronous with input 1

Specifications subject to change without notice.

Third Party Compatible Products:

A vast number of products have been developed that enhance the Toaster's capabilities, including software and hardware add-ons. There are numerous expansion cards for signal conversion and transcoding.

Add-in cards for digital audio offer exciting potential for audio editing, sound effects, sweetening, and more. MIDI tools for the Toaster allow for real-time operation keyed to Toaster events. There are even software programs that allow you to compose and record background music.

Edit controllers, used to synchronize and trigger otherwise-complex edit sequences, are available as dedicated devices or computer-controlled software packages. Many Toaster owners use their existing edit controllers to trigger their Toaster via the GPI interface.

NewTek supports and fosters third party developers through its developer network. For information about becoming a NewTek third party developer, please contact the corporate office at the number below.

Video Toaster® 4000…
the TV studio that fits on your desk.

NEWTEK INCORPORATED

For more information call:
1-800-847-6111

Features, specifications, and prices subject to change without notice. Video Toaster is a registered trademark of NewTek, Inc. Toaster, ToasterPaint, ToasterCG, LightWave 3D, LightWave Modeler and Video Toaster Flyer are trademarks of NewTek, Inc. Video Toaster Flyer does not include hard drives. Grass Valley Protocol is a trademark of Grass Valley Group. PostScript is a trademark of Adobe Systems, Inc.
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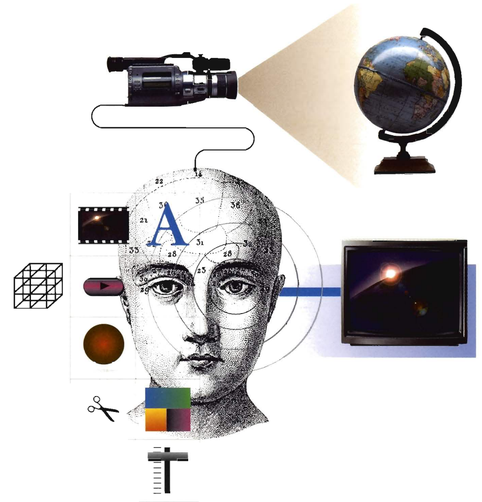
VIDEO TOASTER® 4000



The TV Studio. . .

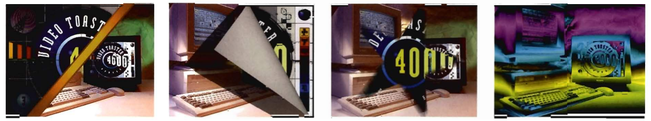
that fits on your desk.

SWITCHER

At the heart of the Video Toaster is the 4-input video Switcher. Not just any switcher, it features over 300 video effects and transitions, many you can't find anywhere else. From traditional Grass Valley switcher emulation to cutting edge digital effects, the Toaster™ delivers.

DIGITAL VIDEO EFFECTS

The Toaster Switcher includes flips, tumbles, pulls and spins that you'd expect to find in more expensive systems, plus digital video effects you've never seen before at any price. The Switcher also features smooth fades, standard wipes, transparent cast shadows, synchronized sound effects, positionable windows, and one hundred color process effects.



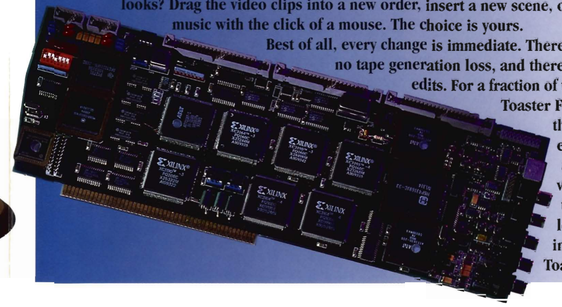
Video Toaster Flyer™: The Tapeless Editor

No editing system in the world compares to the quality, price, and ease of use of NewTek's revolutionary new Video Toaster Flyer. The Flyer is a D2, broadcast-quality, tapeless nonlinear edit system that costs $3995.

Forget the hassle of hooking up a complicated A-B Roll editing system. Forget the expense of buying an edit controller and three VTRs. Forget waiting for sluggish tape access in an offline studio. With the Video Toaster Flyer, all that's history.

Now you can record your video direct-to-disk, make edit decisions with the Flyer's drag and drop controls, and enjoy the finished program all in the same afternoon. Don't like the way a sequence looks? Drag the video clips into a new order, insert a new scene, or drop in background music with the click of a mouse. The choice is yours.

Best of all, every change is immediate. There's no re-recording, no tape generation loss, and there are no botched edits. For a fraction of the cost, the Video Toaster Flyer provides the quality you expect from a $50,000 digital video deck. Plus, the Flyer seamlessly integrates into the Video Toaster system.



LUMINANCE KEYER

The Toaster's luminance keyer allows you to superimpose an actor in front of a background, or fly text over video. You can overlay graphics or video on any input source, and use the Toaster to dissolve them on and off the screen. As part of the Switcher, the luminance keyer adds flair to your message.

CHARACTER GENERATOR

Point, click, drag, drop. It's that easy to create stunning titles with the Video ToasterCG™. It has all the good stuff: scrolls, crawls, graphics, gradient blends, variable transparency and font scaling from 10-400 lines high. Now that's full-screen.

And forget about paying exorbitant prices for additional typestyles. The Video Toaster gives you over 275 PostScript fonts to choose from. A host of outside developers enables you to take your pick of thousands of extra symbols, graphics and fonts including foreign languages.

LIGHTWAVE 3D™

No other 3D graphics system produces so much animation for network TV for so little money. LightWave delivers this power to you. It's packed with powerful features, and controlled by an easy-to-use interface.

Create realtime wireframe preview animations, add lens flares for realistic highlights, animate characters, or whip up your own movie-of-the-week flying logo. LightWave is fast and friendly. Not only can you network a series of Toasters, you can employ additional workstations to speed rendering time.

LIGHTWAVE MODELER™

LightWave Modeler allows you to create and modify 3D objects with precision and ease. Extrude 3D logos, bevel the edges of letters, model complex surfaces with spline curves, or use any shape as a drill bit. To get you started, Modeler includes hundreds of pre-made 3D objects.

FRAME GRABBER

Capturing video has never been easier. In the blink of an eye the Toaster freezes full color images from video, which you can store for later display. You can change them in ToasterPaint, add titles in ToasterCG, or use them in your LightWave 3D animations.

STILL-STORE

When you have a frame grabber in a television studio, you need a place to store all your frozen images. Broadcasters, studios, businesses and schools alike know the quality and reliability of the Toaster as a still store device. Keep thousands of images on line, and recall any one almost instantly. Using the dual frame buffer display of the Toaster, you can even perform special effects from one stored image to another.

TOASTERPAINT™

When you need to touchup a freeze frame, add some pizzazz to a business chart, or composite a sequence of images together to form a seamless graphic, turn to ToasterPaint. Create your own electronic masterpieces with features like airbrush, variable transparency, stencils, texture mapping, and warping. ToasterPaint is a powerful addition to your videomaking arsenal.

For more information call: 1-800-847-6111.